BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

Name of Work: Improvements to roads & C C drains at 2nd A Cross Havnoor Layout Ward No 14 Bagalagunte

							Est. Cost Rs	20.00	Lakhs
Sl	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300 - Excavation for road, drains and similar works - KSRRB 300-1. Earthwork excavation by manual means in **Ordinary soil** involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH Chapter 3 (P.142/I.19.1 PW, P & IWTD -SR 2016-17)								
	for road	Cum	2	110.00	1.20	1.00	264.00		
			1	100.00	1.50	0.30	45.00		
							309.00	86.92	26858.00
	Basic Rate	82.00							
	Add Area Weightage 6%	4.92							
	Total	86.92							
2	Providing, laying, spreading and compacting graded stone aggregates to **wet mix macadam** specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. Specification No. 406 with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work.(PWD SR 2016-17, P.No.158, I No.20.18)								
	Roads	Cum.	1	100.00	1.50	0.23	34.50	1768.08	60999.00
	Basic Rate	1668.00							
	Add Area Weightage 6%	100.08							
	Total	1768.08							
3	KSRB 4-1.3: Providing and laying in position **plain cement concrete of mix 1:4:8** with OPC cement @180 kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I.4.3) PWD - SR 2016-17)								
	For Road	Cum	2	110.00	1.20	0.15	39.60		
	Basic Rate	4867.00					39.60	5159.02	204297.00
	Add Area Weightage 6%	292.02							
	Total	5159.02							

4	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls of any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications, Specification NO KBS 4.6.2 Page No 15/ Item No 4.31/PWD SR 2016-17								
		Sqm	8	110.00	0.90		792.00		
							792.00	310.58	245979.00
	Basic Rate	293.00							
	Add Area Weightage 6%	17.58							
	Total	310.58							
5	KSRB 4-1.6: Providing and laying in position plain cement concrete of mix M1:2:4 with cement @240 kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I.4.6) PW, P & IWTD - SR 2016-17)								
		Cum	4	110.00	0.15	0.80	52.80		
			2	110.00	1.20	0.10	26.40		
							79.20	5767.46	456783.00
	Basic Rate	5441.00							
	Add Area Weightage 6%	326.46							
	Total	5767.46							
6	KSRRB M2200-6. Supplying, fitting and placing TMT bar Fe 500 reinforcement in sub-structure complete as per drawing and Technical Specifications complete as per specificationsMORTH Specification No.1600 & 2200 [P. no.225 - I. No.28.8.2]								
	10mm dia bars @ 100mm c/c	Tonne	2X25	110.00	5500.00	0.62	3410.00		
	2*80/.01=1600		2200	2.10	4620.00	0.62	2864.40		
							6274.40		
						Say	6.27	66482.14	417136.00
	Basic Rate	62719.00							
	Add 6% A.W	3763.14							
	TOTAL	66482.14							
7	Supplying and fixing precast rainforced concee slab 10cm thick including cost of reinforcement as per design and drawing material cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface stc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials.								
		Sqm	2	110.00	0.90		198.00		
							198.00	1698.00	336204.00
	Data Rates Approved by CE DZ enclosed								

8	KSRRB M400-1 For Grading I material construction of **granular sub-base** providing coarse graded crushed stone aggregates of Granite/ trap/basalt material spreading in uniform layers with motir grader on prepared surface mixing by a mix in place method with rotawater at OMC, and Compacting with vibratory roller to achieve the desired density, complete as per specifications.by mix in a Place method for course Graded Granular Sub Base Material as per 400-2 for grading I material . Page No 155/ Item No. 20.6.1 PWD SR 2016-17								
		Cum	1	100.00	1.00	0.10	10.00		
	Basic Rate	1433.00					10.00	1518.98	15190.00
	Add Area Weightage 6%	85.98							
	TOTAL	1518.98							
9	Providing, laying, spreading and compacting graded stone aggregates to **wet mix macadam** specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. Specification No. 406 with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work.(PWD SR 2016-17, P.No.158, I No.20.18)								
	Roads	Cum.	1	100.00	1.00	0.20	20.00	1768.08	35362.00
	Basic Rate	1668.00							
	Add Area Weightage 6%	100.08							
	Total	1768.08							
							Sub Total		1798808.00
10	GST, KRIDL & Labour cess Charges 7+3+1=11%								197869.00
11	Miscellaneous								3323.00
								Total	2000000.00

Rupees Twenty Lakhs Only

(CERTIFICATE:-

1 The Work spot has been inspected and the work is found to be necessary
2 The Estimate is prepared as per the PW,P & IWTD -SR-2016-17
3 The Provision made in estimate are adequate and essential.
4 This area comes under BBMP limits.

Assistant Engineer
Ward No 14

Assistant Executive Engineer
T. Dasarahalli Sub-Division
B.B.M.P

Executive Engineer
Dasarahalli Division
B.B.M.P. Bangalore.

ನಂ. EE/DD/AS/634/17-18 ದಿನಾಂಕ: 21-12-17
ರೂ. [Rs 20.00 Lakhs] Twenty Lakhs only
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಅನುಮೋದನೆ ನೀಡಿದೆ
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ನಂ. EE/DD/TS/444/17-18 ದಿನಾಂಕ: 21-12-17
ರೂ. [Rs 20.00 Lakhs] Twenty Lakhs only
ಗೆ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಅನುಮೋದನೆ ನೀಡಿದೆ
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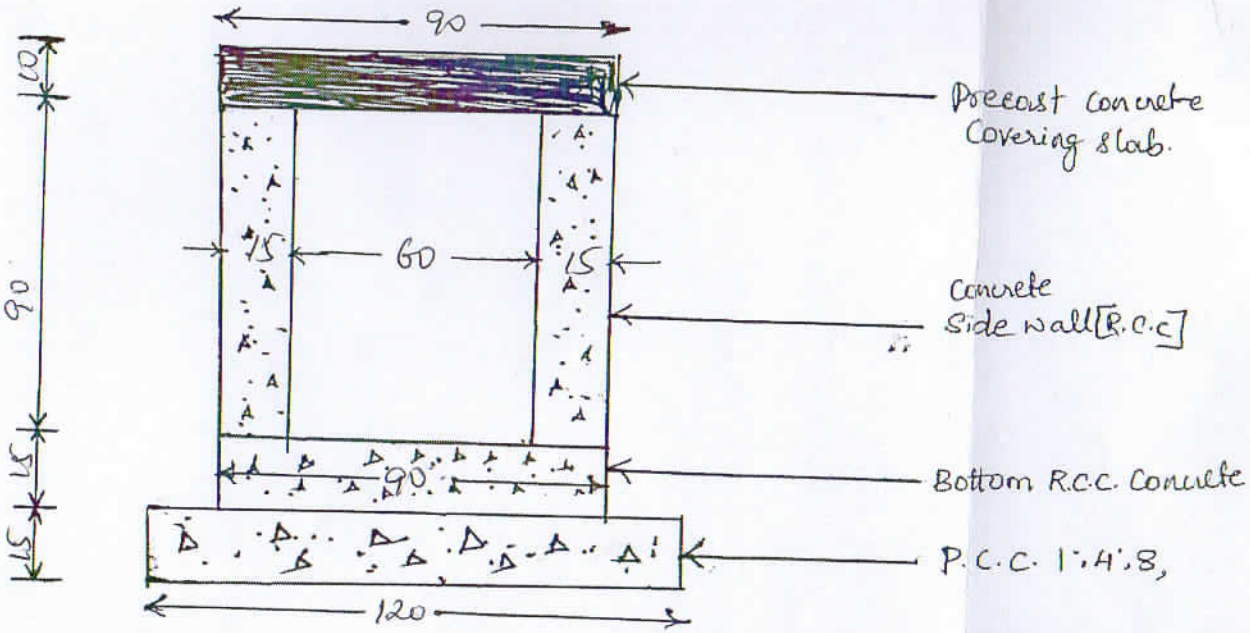
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು

Name of Work:



Drain - Crossection

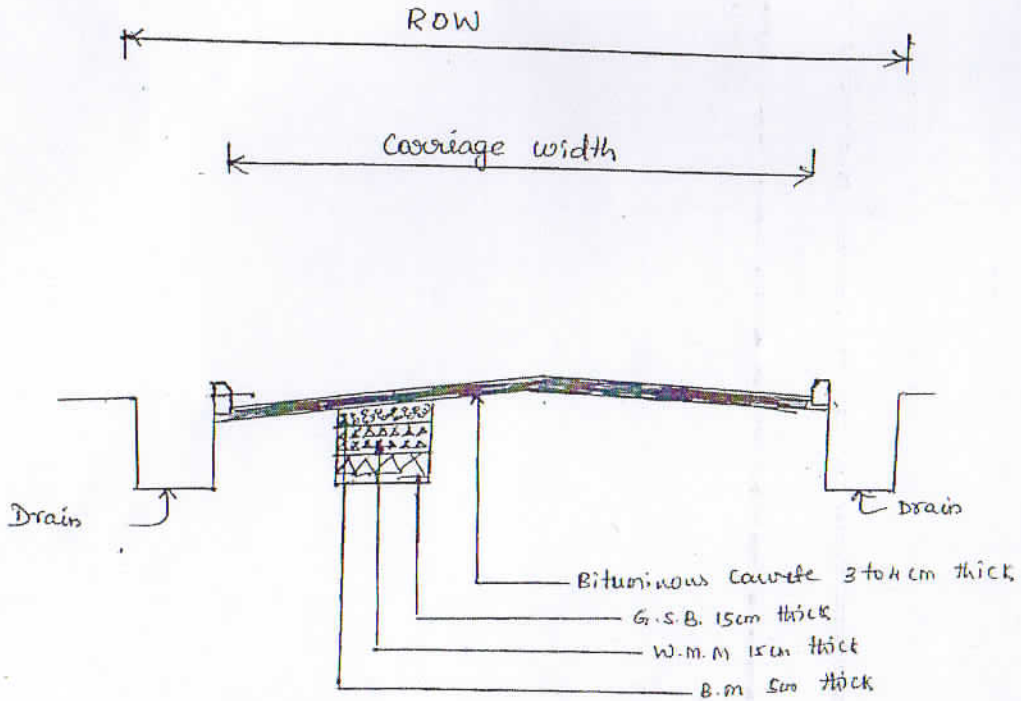
Note:-
1) All Dimensions are in Centimeters
2) Sketch is not to Scale

Assistant Engineer

Ward No. 14

Assistant Executive Engineer

T. Dasarahalli Sub Division



Road - cross section

Assistant Engineer
Ward No. 14

Executive Engineer
Sub Division.

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ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

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